

ABSTRACT OF THE DISCLOSURE

The present invention relates to a martensitic stainless steel that can be used in manufacturing articles such as a shaft or an impeller which require high mechanical strength and corrosion resistance and provides a martensitic stainless steel comprising less than 0.06 wt.% C, less than 2.5 wt.% Si, less
5 than 2.5 wt.% Mn, 1.0-6.0 wt.% Ni, 10.0-19.0 wt.% Cr, 0.5-6.0 wt.% W, less than 3.5 wt.% Mo, less than 0.5 wt.% Nb, less than 0.5 wt.% V, less than 3.0 wt.% Cu, 0.05-0.25 wt.% N, and the remainder being Fe and minor impurities.

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